

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

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Surface Water

(Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

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Ground Water

(Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE August 31, 1992	APPLICATION NUMBER S4-31431	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME
Yodelin Water System

ADDRESS (STREET) 1243 Dilley Road	(CITY) Tieton	(STATE) Washington	(ZIP CODE) 98947-9719
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PUBLIC WATERS TO BE APPROPRIATED

SOURCE
three (3) springs

TRIBUTARY OF (IF SURFACE WATERS)
Nason Creek

MAXIMUM CUBIC FEET PER SECOND N/A	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR N/A
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QUANTITY, TYPE OF USE, PERIOD OF USE

N/A - application denied.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL

#1: 1650 feet east and 1500 feet north of the southwest corner of Section 1;
#2: 1650 feet east and 1450 feet north of the southwest corner of Section 1;
#3: 1600 feet east and 1000 feet north of the southwest corner of Section 1

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) E½SW¼	SECTION 1	TOWNSHIP N. 26	RANGE, (E. OR W.) W.M. 13 E.	W.R.I.A. 45	COUNTY Chelan
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Plat of Yodelin within a portion of the SW¼ of Section 1, T. 26 N., R. 13 E.W.M.;
Plat of Yodelin Division No. 2 within that portion of the W½ of Section 1, T. 26 N., R. 13 E.W.M.;
Plat of Yodelin Division No. 3 within that portion of the W½ of Section 1, T. 26 N., R. 13 E.W.M.,
Chelan County, Washington.

to be removed.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:

N/A

COMPLETE PROJECT BY THIS DATE:

N/A

WATER PUT TO FULL USE BY THIS DATE:

N/A

REPORT

Background

On August 31, 1992, Yodelin Water Systems, represented by Manny Tolia of Tieton, Washington filed an application for permit to appropriate public surface water. The application was accepted, assigned number 4-31431, and public notice was made. No letters of protest were received during the thirty day protest period.

The following information was obtained from a site investigation conducted by Kevin Brown on June 16, 1994, research of our department records, conversations with the applicant, and department staff.

Through application No. S4-31431 the applicant requests authorization to divert a maximum rate of 0.33 cubic feet per second (cfs) from three springs for continuous community domestic supply for up to 75 homes or cabins. No irrigation was requested in the subject application.

Site Inspection

The site is located approximately one mile east of Stevens Pass near the confluence of Stevens Creek and Nason Creek. The property is partially developed. Approximately 30 homes have been constructed, and additional home construction is currently underway. Total lot development would be 75 units.

The diversion system was constructed without authorization of permit around 1967, and is described on the application form as having completed diversion facilities in 1969. The diversion facilities consist of pipes that capture spring water at the base of large slide debris. The pipes capture water, and divert it into a 2500 gallon tank. The water is then delivered to the existing home sites. The springs are located above the housing units approximately as follows:

- 1) 1650 feet east and 1500 feet north of the southwest corner of Section 1, T. 26 N., R. 13 E.W.M., being within the E $\frac{1}{2}$ SW $\frac{1}{4}$;
- 2) 1650 feet east and 1450 feet north of the southwest corner of Section 1, T. 26 N., R. 13 E.W.M., being within the E $\frac{1}{2}$ SW $\frac{1}{4}$;
- 3) 1600 feet east and 1000 feet north of the southwest corner of Section 1, T. 26 N., R. 13 E.W.M., being within the E $\frac{1}{2}$ SW $\frac{1}{4}$.

The water from the springs would directly contribute to the surface waters of Nason Creek if it were not diverted into the domestic system.

Hydrogeology

The hydraulic character of the area suggests that all surface waters and the aquifer(s) physically accessible will be in hydraulic continuity with surface waters of the Wenatchee Basin.

Water Availability

Under authority of, and in response to, the Water Resources Act of 1971, Chapter 90.54 of the Revised Code of Washington (RCW), the Department of Ecology was required to formulate a management and use program for the waters of the State of Washington. With input from interested citizens the program for the Wenatchee Basin was drafted and adopted in 1983 as Chapter 173-545 of the Washington Administrative Code (WAC), the Wenatchee River Basin Instream Resources Protection Program. WAC 173-545-050 states that, consistent with the provisions of chapter 90.54 RCW, it is the policy of the department to preserve an appropriate base flow in all streams and rivers as well as the water levels in all lakes in the Wenatchee River Basin by encouraging use of alternate sources of waters. WAC 173-545 established minimum instream flows for the Wenatchee River, Nason River, and Mission Creek.

Report Continued

Withdrawal/diversion of water which would conflict with the policy stated above, shall be authorized only in those situations where overriding considerations of public interest will be served. This same test also applies to the issuance of group domestic supplies (WAC 173-545-060).

Water Quantities

The applicant requests 0.33 cfs (150 gallons per minute) in the subject application for the use of continuous community domestic supply for up to 75 homes.

The state recognizes the lakes and streams within the Wenatchee River Basin as a valuable water resource and is committed to preserving its naturally unique character (WAC 173-545-060). Toward this goal highly efficient, water conservation equipment, distribution systems and application schedules are required to best serve the interest of the general public and more specifically to serve the local public interest and welfare. In keeping with this commitment it is determined that 0.50 acre-feet per year are adequate and appropriate quantities for an in-house domestic water supply at the site location.

Conclusions

The following conclusions are drawn from the information obtained:

Surface waters of the Wenatchee River Basin and its tributaries are subject to the base flow provisions of WAC 173-545. Therefore, water is available for the proposed use on an intermittent basis only. Withdrawals for the home sites would be subject to interruptions that have historically been up to and exceeding 120 days. The length of base flow violations depend on the variations of seasonal precipitation and runoff patterns.

If subjected to the base flow provisions of WAC 173-545, the proposed appropriation would not impair existing rights.

The proposed use of surface water for year-round continuous community domestic supply would be a beneficial use of waters of the state.

However, due to the prolonged periods of anticipated continual interruption, of up to and exceeding 120 days, issuance of the requested continuous community domestic public water system would be contrary to the public interest.

Recommendations

In review of the preceding, based on the available information obtained, and the conclusions drawn, it is recommended that the subject application for continuous community domestic supply be DENIED.

REPORT BY:

Kevin Brown
Kevin Brown

DATE:

8/16/94

APPROVED BY:

Doug Clausen
Doug Clausen, Section Manager

DATE:

8/16/1994

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